

INTERNATIONAL SEARCH REPORT

1. national Application No
PCT/DE 00/04426

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C02F5/08 C02F5/14

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C02F

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

WPI Data, EPO-Internal, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 587 142 A (HORWITZ EARL P ET AL) 24 December 1996 (1996-12-24) the whole document	1-13
X	US 5 910 475 A (NEUMILLER PHILLIP J ET AL) 8 June 1999 (1999-06-08) abstract column 1, line 21 - line 41 column 5, line 10 - line 13 column 6, line 7 - line 18 column 6, line 27 - line 31 column 7, line 66 - column 8, line 13	1,2,4-7
A	DE 25 20 988 A (MITSUBISHI GAS CHEMICAL CO) 20 November 1975 (1975-11-20) page 3, paragraph 3 page 5, paragraph 4	1,10,11

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

A document defining the general state of the art which is not considered to be of particular relevance

E earlier document but published on or after the international filing date

L document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

O document referring to an oral disclosure, use, exhibition or other means

P document published prior to the international filing date but later than the priority date claimed

T later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

X document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

Y document of particular relevance: the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

S document member of the same patent family

Date of the actual completion of the international search

30 March 2001

Date of mailing of the international search report

06/04/2001

Name and mailing address of the ISA

European Patent Office, P.O. 5018 Patentplan 2
M - 2280 MV Augsburg
Tel (+31-70) 340-3040, Tx. 31 651 epo nl
Fax (+31-70) 340-3018

Authorized officer

Borello, E

INTERNATIONAL SEARCH REPORT

Information on patent family members

National Application No

PCT/DE 00/04426

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
US 5587142 A	24-12-1996	US 5078894 A	07-01-1992
		AT 169892 T	15-09-1998
		CA 2081767 A	31-10-1991
		DE 69130019 D	24-09-1998
		DE 69130019 T	08-04-1999
		EP 0527908 A	24-02-1993
		JP 3014448 B	28-02-2000
		RU 2096499 C	20-11-1997
		WO 9117124 A	14-11-1991
US 5910475 A	08-06-1999	US 5895781 A	20-04-1999
		AU 1923799 A	12-07-1999
		EP 1042440 A	11-10-2000
		WO 9932592 A	01-07-1999
DE 2520988 A	20-11-1975	JP 1146469 C	12-05-1983
		JP 50146569 A	25-11-1975
		JP 57006997 B	08-02-1982